

INFORMATIONAL PUBLIC WORKSHOP DISPLAY BOARDS

February 24, 2009

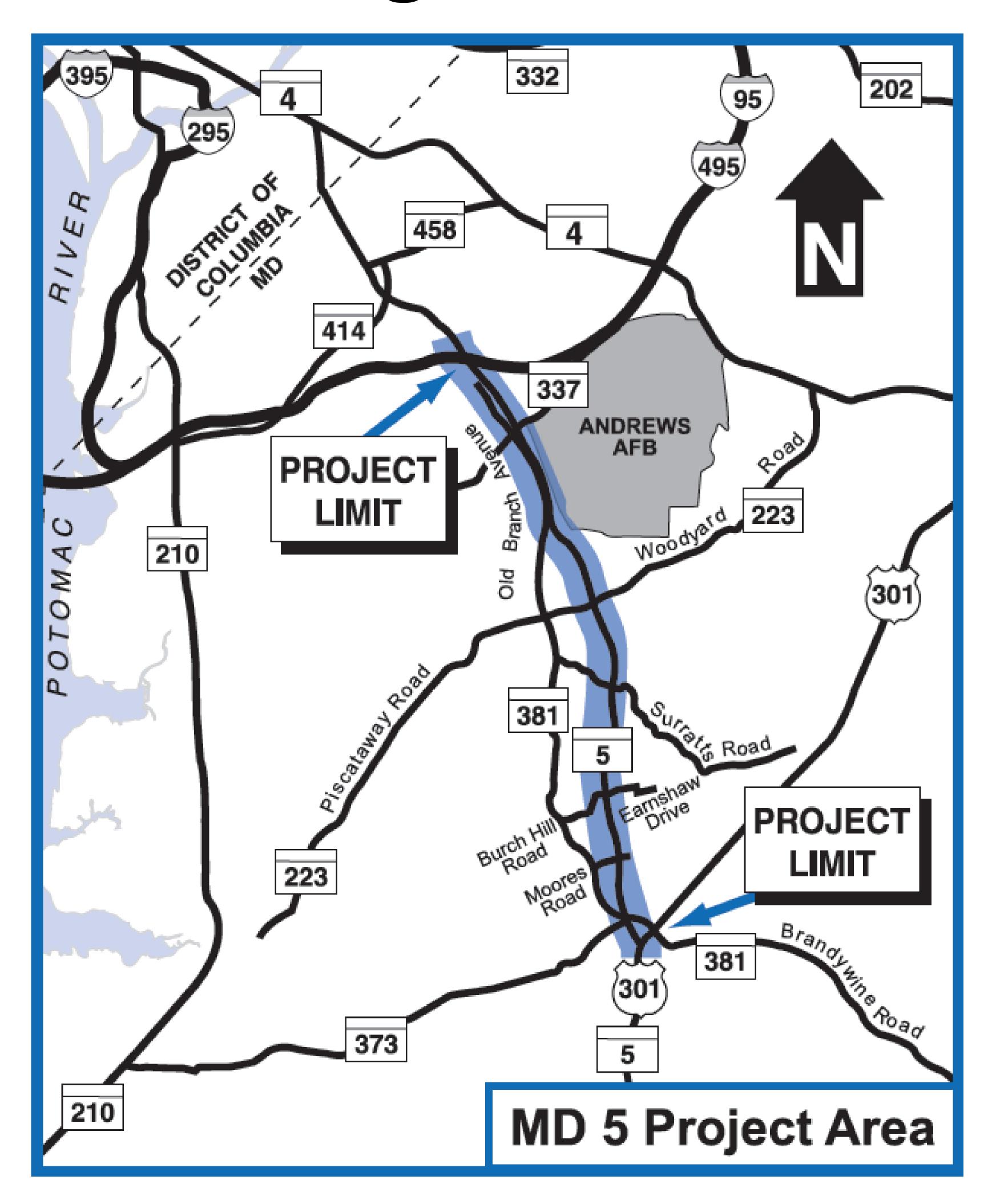
5:00 PM - 8:00 PM

Surrattsville High School Cafeteria

6101 Garden Drive, Clinton, MD 20735.

Purpose of the Meeting

- Provide study area residents with project updates and information
- Present the Alternatives
 Retained for Detailed Study
 (ARDS)
- Receive your input on the ARDS



Why Is This Project Needed?

- Heavily traveled commuter corridor connecting southern Maryland and Virginia to Washington, D.C.
- Traffic volumes are expected to increase by 15 % 30% by 2030
- Currently, all five at-grade intersections are at capacity during either the AM or PM peak period
- Sections of MD 5 have crash rates that are significantly higher than the average statewide rate
- Heavily developed areas exist in the northern portion of the corridor and a large increase in development is expected in the southern portion

Purpose and Need

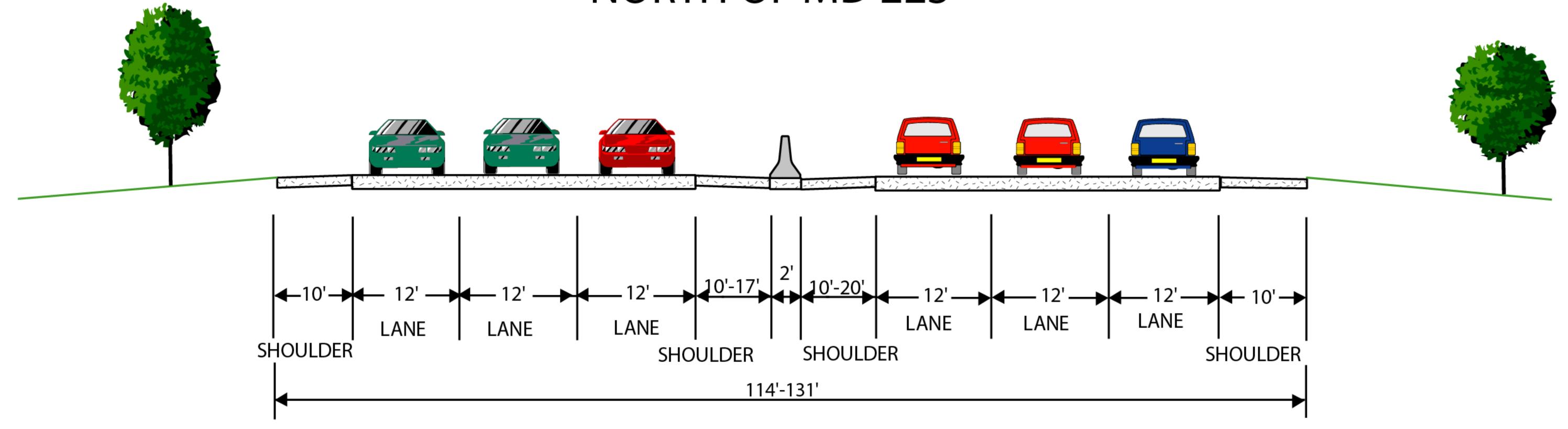
- To facilitate safe and efficient traffic flow while providing cost-effective transportation infrastructure to serve and support existing and future traffic demand, land use planning, and development efforts, while enhancing and facilitating transit services.
- In order to maintain the integrity of the interstate system, the study must also consider the potential impacts to I-95/I-495 when improving traffic operations along northbound MD 5.

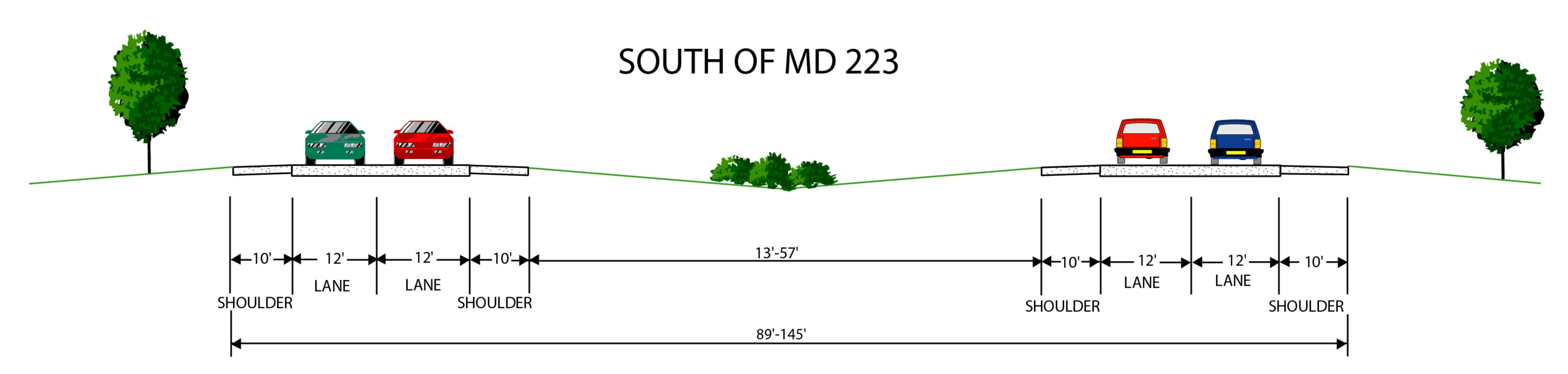
MARYLAND

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Existing Typical Section

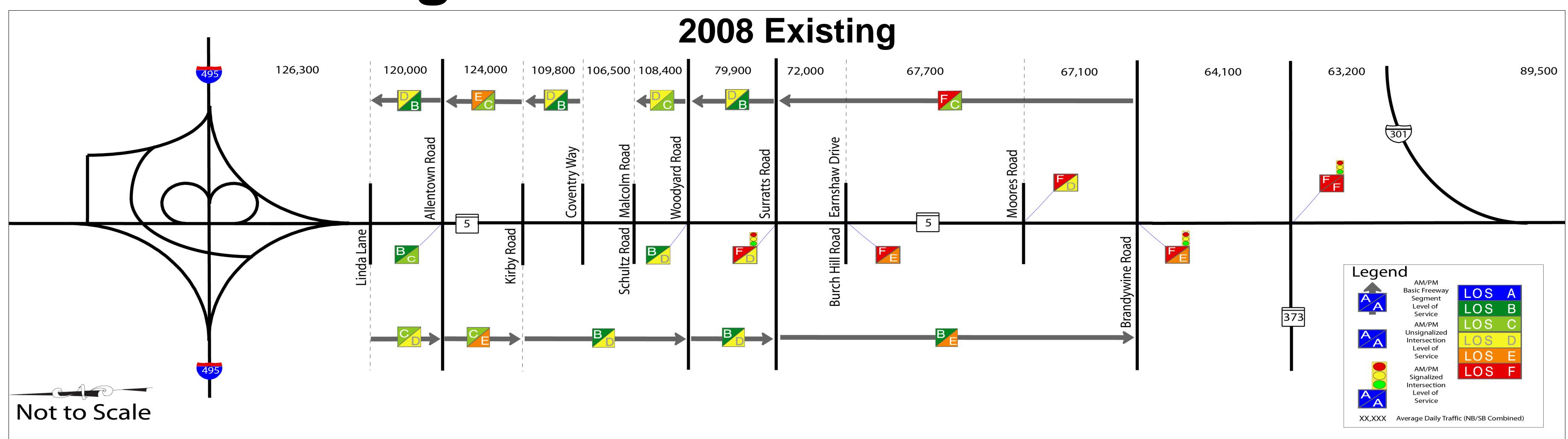
NORTH OF MD 223

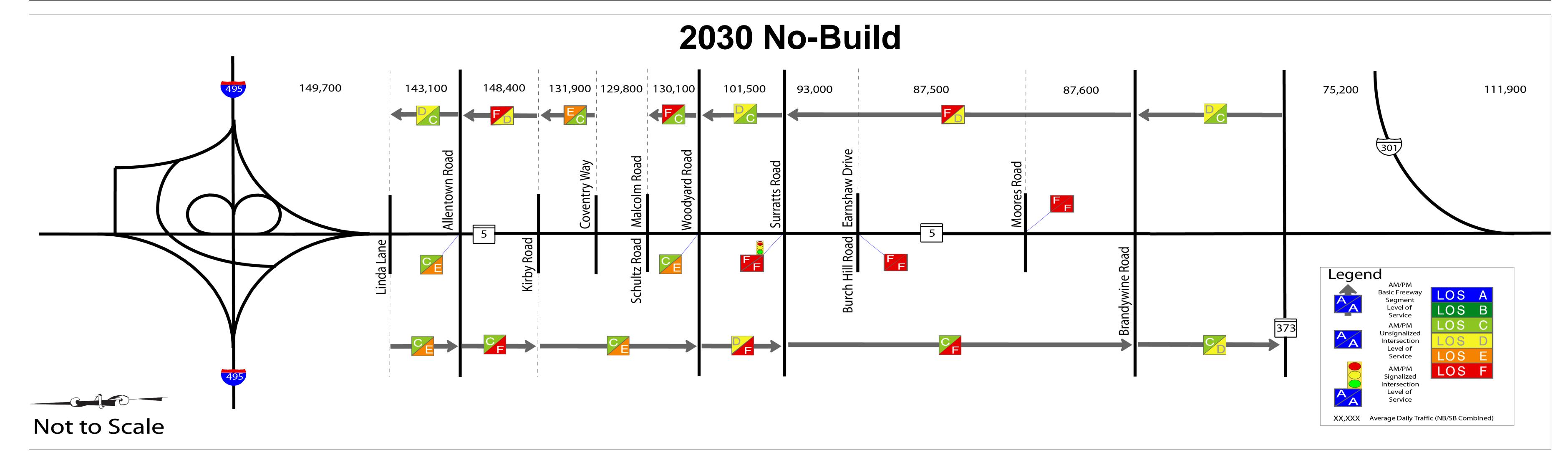




MARYLAND 5

Existing and No-Build Level of Service







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Safety Statistics - 2005 to 2007

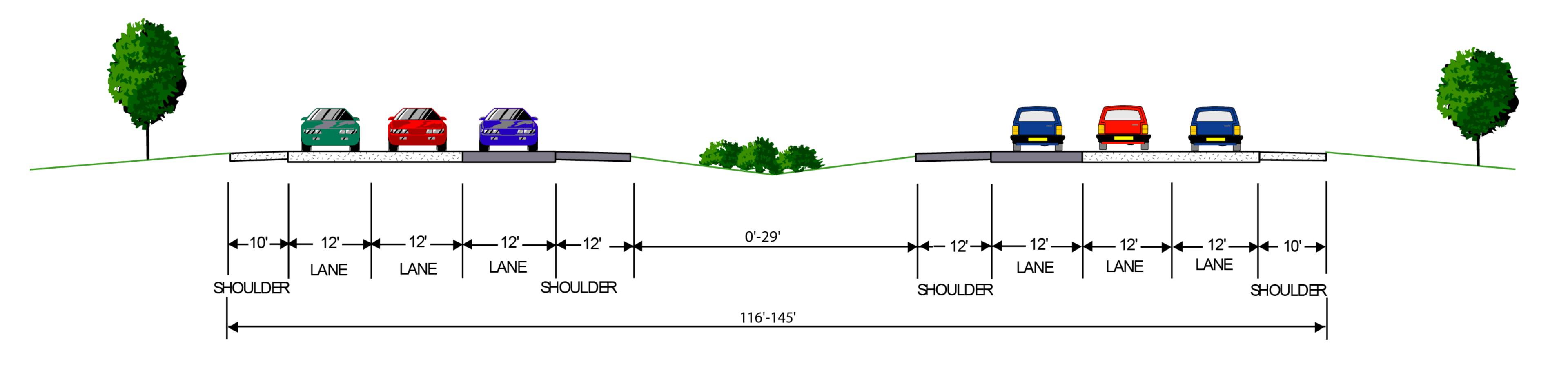
MD 5 Sections		Crash T	ype			Statewide	Crash Types	
	Fatal	Injury	Property Damage	Total Crashes	Average Total Crash Rate ^	Average Total Crash Rate ^	Significantly Higher than Statewide Rates*	
US 301 to Brandywine Road	0	27	34	61	192.8 *	63.1	Rear End, Sideswipe, Left Turn, Angle	
Brandywine Road to MD 223	3	173	165	341	88.9	127.5	None	
MD 223 to Old Alexandria Ferry Road	2	38	65	105	67.6 *	47.3	Opposite Direction, Parked Vehicle, Fixed Object	
Old Alexandria Ferry Road to MD 337	0	17	29	46	28.5	47.3	Nighttime, Alcohol Related	
MD 337 to I-95/ I-495 (Capital Beltway)	1	53	89	143	92.6 *	47.3	Rear End, Sideswipe, Angle, Fixed Object	

[^] per 100 million vehicle miles traveled

^{*} Significantly higher than statewide average for similarly designed roadways

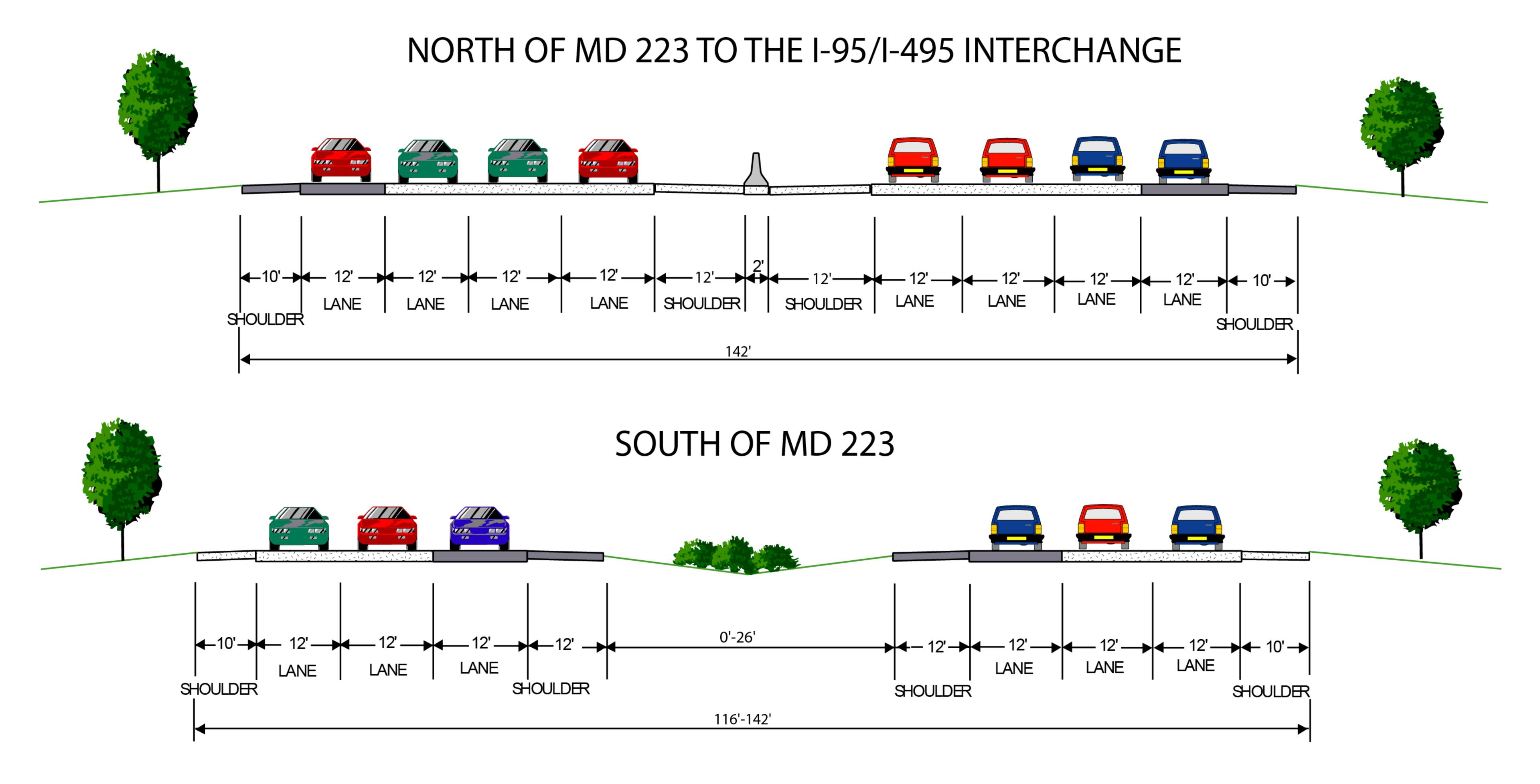


Alternative 3: Expressway Upgrade South of MD 223



MARYLAND 5

Alternative 4: Expressway Upgrade Entire Corridor

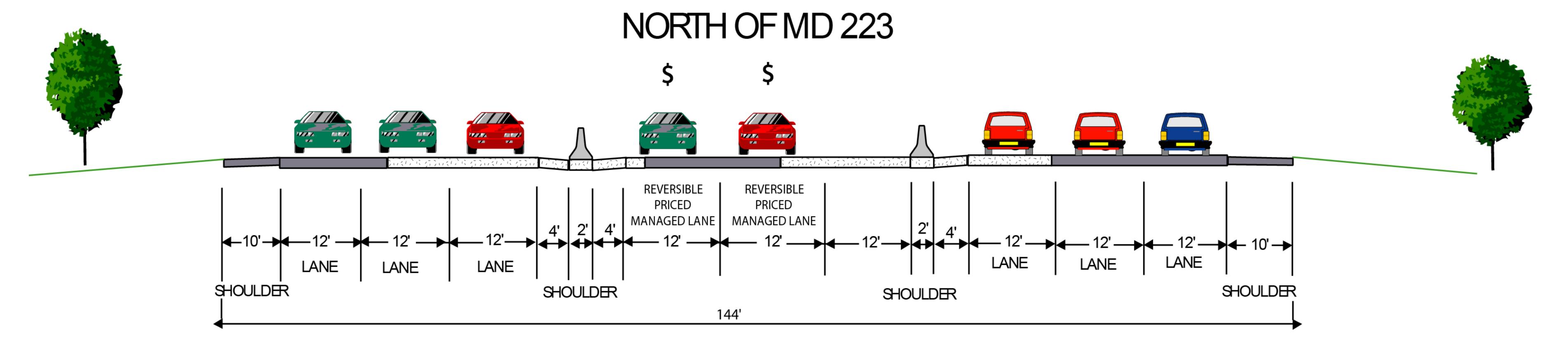


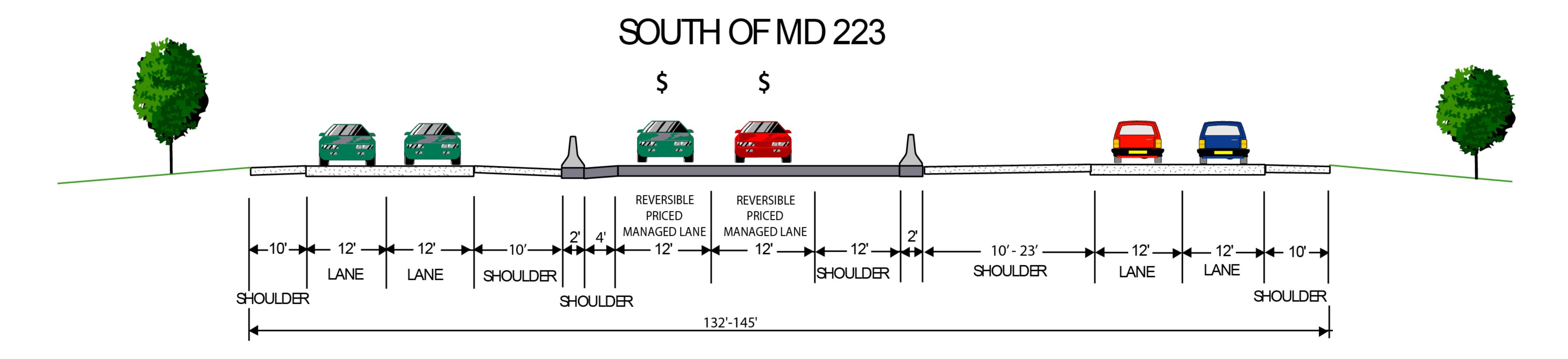
What are Managed Lanes?

- Lane management strategies have been used by agencies for decades to provide reliable, relatively free-flowing travel in highly congested corridors
- Managed lanes may include High Occupancy Vehicle (HOV) lanes, High
 Occupancy Toll (HOT) lanes and Express Toll Lanes (ETL), and exclusive or
 special-use lanes (such as car-only, bus-only, or truck-only lanes)
- Generally lanes are "managed" by using one or a combination of these strategies:
 - Pricing tolls that can vary based on roadway congestion, time of day, vehicle occupancy, or access to specific areas
 - Vehicle Eligibility HOV, truck restrictions
 - Access Control reversible lanes, express lanes

MARYLAND 5

Alternative 5: Two-Lane Reversible Priced Managed Lanes



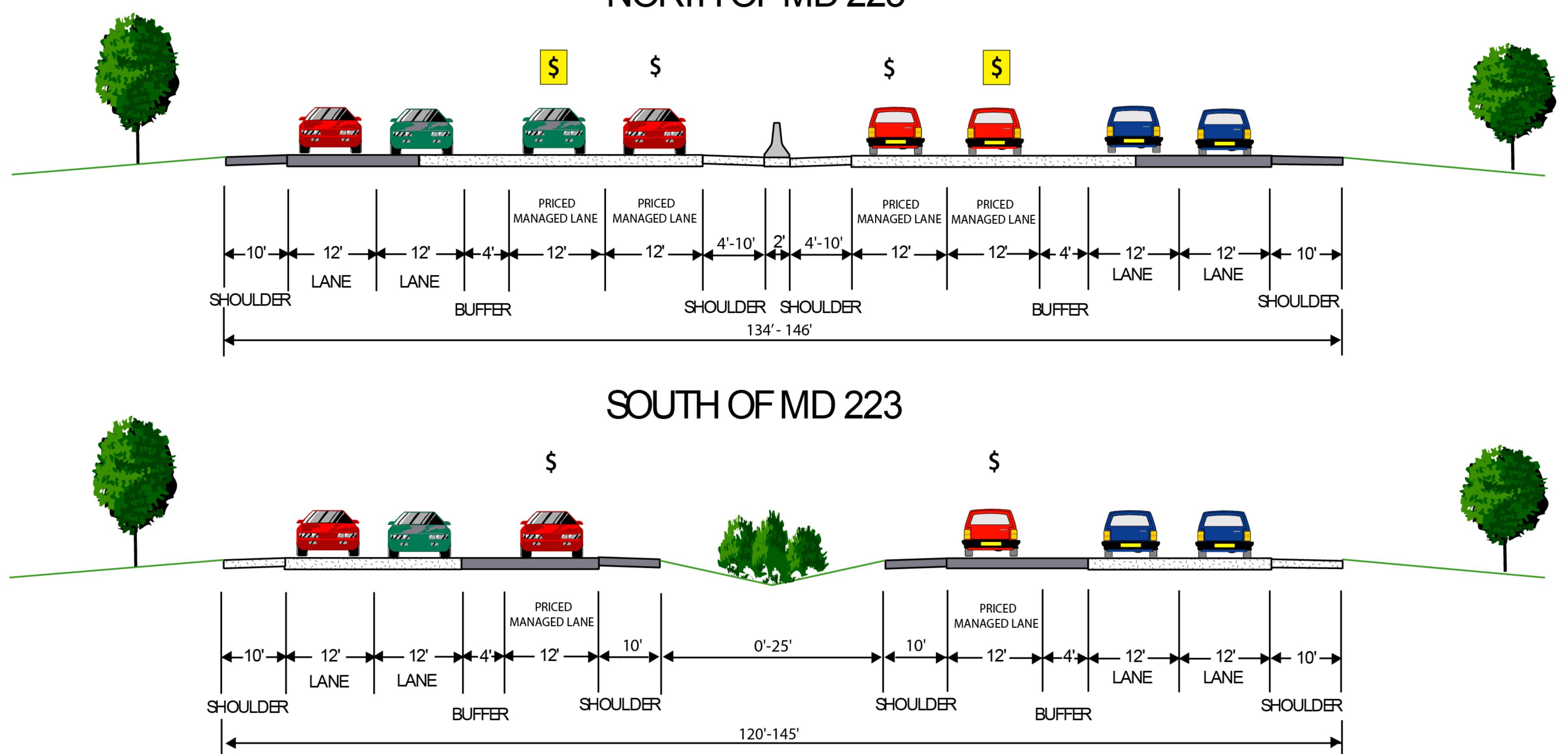




MARYLAND 5

Alternative 6: One to Two Lane Priced Managed Lanes

NORTH OF MD 223



- \$ New Priced Managed Lane
- Existing Lane Converted to Priced Managed Lane

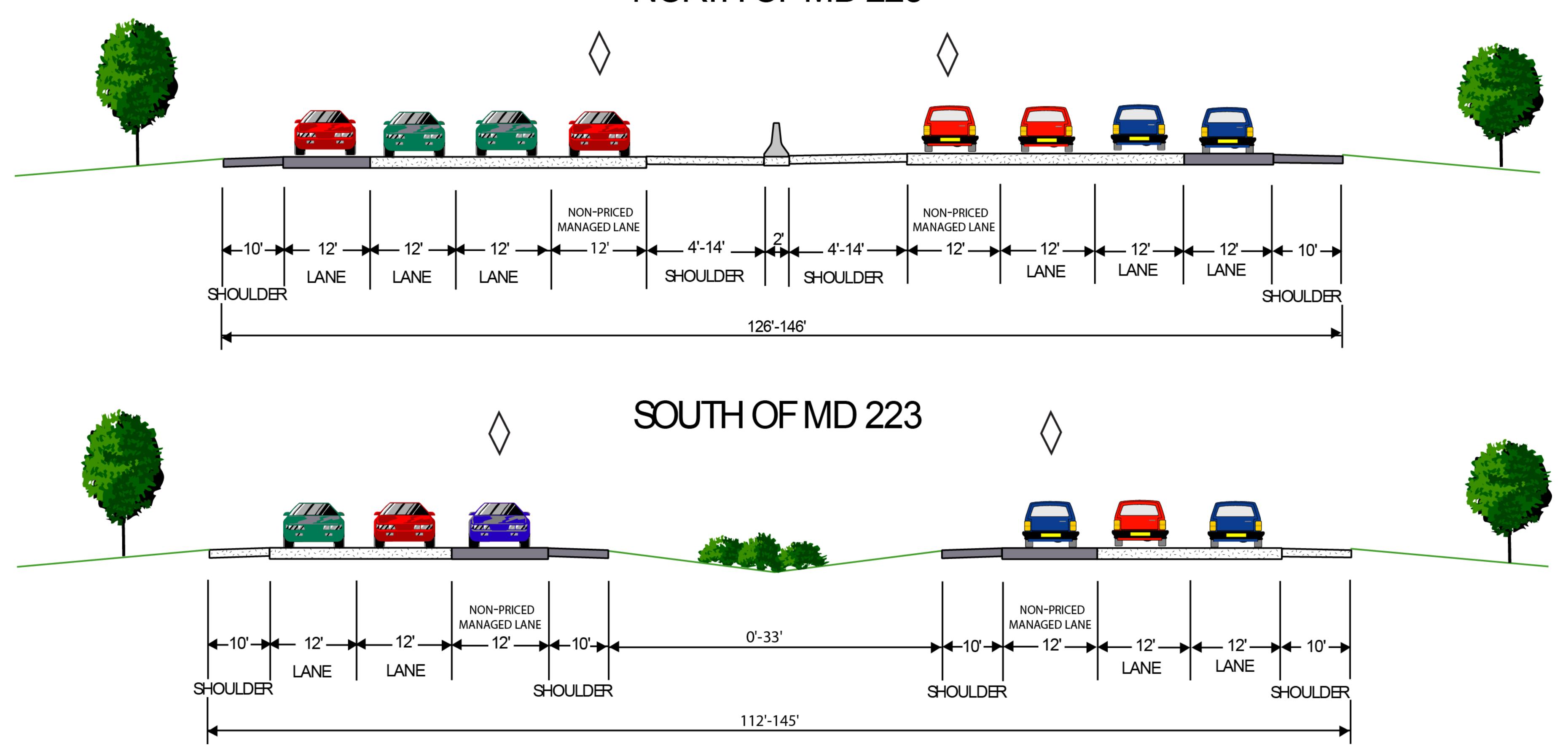


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Alternative 8: Non-Priced Managed Lanes

NORTH OF MD 223



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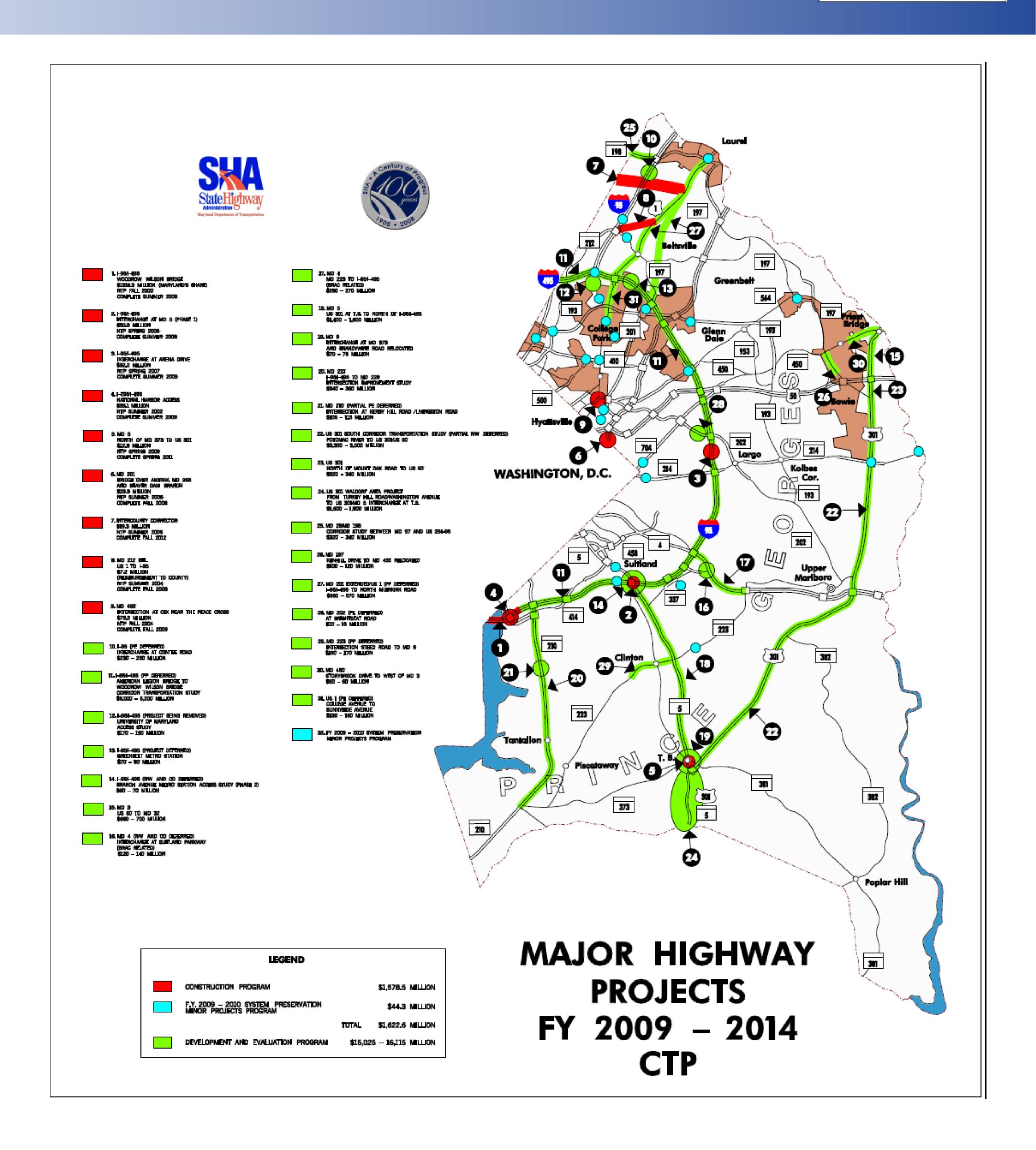
Summary of Environmental Impacts and Costs

Impact Types	No Build	Alt. 3	Alt. 4	Alt. 5	Alt. 6	Alt. 8	Surratts Road Interchange		Burch Hill Road Interchange	
							Opt. A	Opt. B	Opt. A	Opt. B
Displacements (number)										
Residential	0	0	0	2	2	0	1	1	0	0
Business/Commercial	0	0	0	2	2	1	1	0	0	0
TOTAL	0	0	0	4	4	1	2	1	0	0
Properties Impacted (number)										
Residential	0	6	42	69	59	58	12	17	33	16
Business/Commercial	0	1	58	58	63	63	10	11	2	8
Parkland	0	0	0	0	0	0	0	0	0	0
US Government	0	0	15	21	19	19	0	0	0	0
Agricultural	0	0	0	0	0	0	0	0	2	1
TOTAL	0	7	115	148	141	140	22	28	37	25
Right-of-Way Area Required (acres)										
Residential	0	4	5	16	13	8	5	3	15	13
Business/Commercial	0	1	10	22	22	21	7	7	0	1
Parkland	0	0	0	0	0	0	0	0	0	0
Agricultural/US Government	0	0	1	1	1	1	0	0	5	2
TOTAL	0	5	16	39	36	34	12	10	20	16
Selected Natural Environment Impacts										
100 - Year Floodplain Affected (acres)	0	1.0	4.4	4.3	4.9	5.4	0.3	2.6	1.9	1.6
Wetlands Affected (acres)	0	1.1	2.4	2.5	3.7	3.3	1.7	1.6	1.5	0.6
Streams (linear feet)	0	8,575	20,621	23,104	22,507	21,945	4,299	4,278	4,505	7,078
Woodlands Affected (acres)	0	3.9	17.5	23.2	19.4	19.0	10.0	9.8	27.8	24.6
Cost Ranges (Millions \$)	0	550-610	1,130-1,190	1,050-1,110	1,190-1,250	1,150-1,210	40-45	55-60	55-60	65-70

Note: Total costs and impacts are calculated by adding a mainline alternative plus interchange option for Surratts Road and Burch Hill Road. Costs for ramp improvements at the Capital Beltway and Woodyard Road are included in the base estimate for each mainline alternative.

MARYLAND 5

- CTP
- Print as is; no frame



Remaining Steps in the Project Planning Process

Winter 2008 - 2009

Summarize/Address Comments Received at the Informational Workshop

Fall 2009

Finalize Detailed Engineering and Environmental Studies

Winter 2009 - 2010

- Complete Draft Environmental Document
- Conduct Location/Design Public Hearing

Summer 2010

Select Alternative and Complete Conceptual Mitigation

Fall 2010

Complete Final Environmental Document

Winter 2010 - 2011

• Obtain Location/Design Approval – Project Planning Ends

